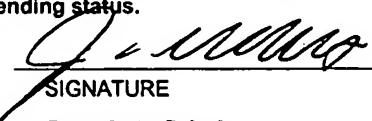


FORM PTO-1390 (Modified) U.S. PATENT AND TRADEMARK OFFICE; U.S. DEPARTMENT OF COMMERCE (REV. 12-2004)		ATTORNEY'S DOCKET NUMBER 2094002US1ANP
TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371		U.S. APPLICATION NO. (If known, see 37 CFR 1.5) <b>10/530163</b>
INTERNATIONAL APPLICATION NO. PCT/EP2003/011076	INTERNATIONAL FILING DATE xxx	PRIORITY DATE CLAIMED 12 October 2002
TITLE OF INVENTION <b>METHOD AND REACTOR FOR DECALCIFYING AND SIMULTANEOUSLY REMOVING HARMFUL SUBSTANCES</b>		
APPLICANT(S) FOR DO/EO/US <b>KARIMNIA, Massoud</b>		
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:		
<ol style="list-style-type: none"> <li>1. <input checked="" type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a submission under 35 U.S.C. 371.</li> <li>2. <input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a submission under 35 U.S.C. 371.</li> <li>3. <input checked="" type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (24) indicated below.</li> <li>4. <input type="checkbox"/> The US has been elected (Article 31).</li> <li>5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371 (c)(2))             <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau).</li> <li>b. <input checked="" type="checkbox"/> has been communicated by the International Bureau.</li> <li>c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).</li> </ol> </li> <li>6. <input checked="" type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).             <ol style="list-style-type: none"> <li>a. <input checked="" type="checkbox"/> is attached hereto.</li> <li>b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4).</li> </ol> </li> <li>7. <input type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371 (c)(3))             <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau).</li> <li>b. <input type="checkbox"/> have been communicated by the International Bureau.</li> <li>c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.</li> <li>d. <input type="checkbox"/> have not been made and will not be made.</li> </ol> </li> <li>8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).</li> <li>9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371 (c)(4)).</li> <li>10. <input type="checkbox"/> An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371 (c)(5)).</li> <li>11. <input type="checkbox"/> A copy of the International Preliminary Examination Report (PCT/IPEA/409).</li> <li>12. <input checked="" type="checkbox"/> A copy of the International Search Report (PCT/ISA/210).</li> </ol>		
Items 13 to 23 below concern document(s) or information included:		
<ol style="list-style-type: none"> <li>13. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.</li> <li>14. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.</li> <li>15. <input checked="" type="checkbox"/> A <b>FIRST</b> preliminary amendment.</li> <li>16. <input type="checkbox"/> A <b>SECOND</b> or <b>SUBSEQUENT</b> preliminary amendment.</li> <li>17. <input type="checkbox"/> A substitute specification.</li> <li>18. <input type="checkbox"/> A power of attorney and/or change of address letter.</li> <li>19. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 - 1.825.</li> <li>20. <input type="checkbox"/> A second copy of the published International Application under 35 U.S.C. 154(d)(4).</li> <li>21. <input type="checkbox"/> A second copy of the English language translation of the International Application under 35 U.S.C. 154(d)(4).</li> <li>22. <input checked="" type="checkbox"/> Express Mail Label No. <b>EV 334075142 US</b></li> <li>23. <input checked="" type="checkbox"/> Other items or information:</li> </ol>		
<p>Published Original Application WO2004/035487          Title pages of German Priority Patent as Granted          Application Data Sheet          Certificate of mailing by Express Mail with Receipt Acknowledgement Postcard</p>		

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

U.S. APPLICATION NO (if known, see 37 CFR 1.5)		INTERNATIONAL APPLICATION NO.		ATTORNEY'S DOCKET NUMBER	
201530163		PCT/EP2003/011076		2094002US1ANP	
24. The following fees are submitted:					
<input checked="" type="checkbox"/> a) Basic national fee .....		\$300.00		Applicant use	
<input checked="" type="checkbox"/> b) Examination fee .....		\$200.00		Office use	
<input checked="" type="checkbox"/> c) Search fee .....		\$500.00			
<b>TOTAL OF ABOVE CALCULATIONS =</b>				\$1000.00	
<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.					
Total Sheets		Extra Sheets	Number of each additional 50 or fraction thereof (round up to a whole)	RATE	
- 100 =		/50 =		x \$250.00	\$ 0.00
Surcharge of \$130.00 for furnishing the oath or declaration later than months from the earliest claimed priority date (37 CFR 1.492(e)).					
CLAIMS		NUMBER FILED	NUMBER EXTRA	RATE	
Total claims		9 - 20 =	0	x \$50.00	\$ 0.00
Independent claims		2 - 3 =	0	x \$200.00	\$ 0.00
MULTIPLE DEPENDENT CLAIMS (if applicable) <input type="checkbox"/> + \$360.00					
<b>TOTAL OF ABOVE CALCULATIONS =</b>				\$ 1,000.00	
<input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.					
<b>SUBTOTAL =</b>				\$ 500.00	
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(f)).					
<b>TOTAL NATIONAL FEE =</b>				\$ 500.00	
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40 per property + \$ 0.00					
<b>TOTAL FEES ENCLOSED =</b>				\$ 500.00	
Amount to be refunded:					
Amount to be charged:					
a. <input checked="" type="checkbox"/> A check in the amount of \$ <u>\$500.00</u> to cover the above fees is enclosed.					
b. <input type="checkbox"/> Please charge my Deposit Account No. _____ in the amount of _____ to cover the above fees. A duplicate copy of this sheet is _____.					
c. <input checked="" type="checkbox"/> The Director is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <u>19-0083</u> . A duplicate copy of this sheet is enclosed.					
d. <input type="checkbox"/> Fees are to be charged to a credit card. <b>WARNING:</b> Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.					
NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.					
SEND ALL CORRESPONDENCE TO:					
Joseph A. Sebolt, Reg. No. 35,352					
SAND & SEBOLT					
Aegis Tower, Suite 1100					
4940 Munson Street, NW					
Canton, Ohio 44718-3615					
 SIGNATURE Joseph A. Sebolt					
NAME					
35,352					
Repl. Ref: 04/08/2005 PRODUCER: 0007070700 DAH:190083 REGISTRATION NUMBER: 190530163 DP: 02/04/2005 Name/Number: 190530163 450 AA CP					

must be filled and granted to restore

SEND ALL CORRESPONDENCE TO  
**Joseph A. Sebolt, Reg. No. 35,352**  
**SAND & SEBOLT**  
**Aegis Tower, Suite 1100**  
**4940 Munson Street, NW**  
**Canton, Ohio 44718-3615**

**SIGNATURE**

## Joseph A. Sebolt

**NAME**

35,352

Repln. Ref. 04/08/2005 PROKER 0007070700  
REGISTRATION NUMBER  
DAH:190083 Name Number:10550163  
ES 2004 450 AA CP

COPY

10/530163

JC06 Rec'd/PCT 04 APR 2005

CERTIFICATE OF MAILING BY "EXPRESS MAIL" (37 CFR 1.10)		Docket No.	
Applicant(s): Massoud Karimnia		2094002US1ANP	
Serial No.	Filing Date	Examiner	Group Art Unit
Unknown	Herewith		
Invention:			
METHOD AND REACTOR FOR DECALCIFYING AND SIMULTANEOUSLY REMOVING HARMFUL SUBSTANCES			

I hereby certify that the following correspondence:

Transmittal Letter Concerning a Submission Under 35 USC 371  
Copy of Published Application - WO 2004/035487 with Search Report  
Declaration and Power of Attorney  
International Search Report  
Application Data Sheet  
Preliminary Amendment  
International Patent Application w/10 Drawing Pages  
Title Pages of German Priority Patent as Granted  
IDS w/copies of foreign references  
Check  
Postcard

is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 in an envelope addressed to Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on

April 4, 2005

(Date)

Karina A. Butler

(Typed or Printed Name of Person Mailing Correspondence)

Karina A. Butler

(Signature of Person Mailing Correspondence)

EV334075142US

("Express Mail" Mailing Label Number)